



# A REPORT ON THE EDUCATION VISIT CONDUCTED FOR VI<sup>th</sup> SEMESTER BIOTECHNOLOGY HONOURS

## Institutes visited:

1. Institute of Bioresources and Sustainable Development (IBSD), Upper Shillong Meghalaya
2. Bioresources Development Centre (BRDC), Upper Shillong Meghalaya
3. Department of Forest & Environment Silviculture Division Tissue Culture Laboratory, Government of Meghalaya Shillong Meghalaya

The first institute which was visited was the **Institute of Bioresources and Sustainable Development (IBSD)**. The tour of the institute was led by Dr. J.K. Shukla the Scientist-E of Plant Resources along with one of his research scholar. We were also accompanied by Dr. Evanylla Kharlyngdoh the Scientist-C of plant resources Division and the Director of the Institute, Dr. P.K. Mukherjee. The objectives and visions of the Institute were highlighted and the ongoing project of the Plant resources division was explained in a thorough and detailed manner. The students were taken to the different parts of the laboratory, each instrument was shown to them with a detailed explanation on the principle and applications for various research activities and experiments. In addition an experimental garden was also shown to the students whereby hardening of tissue culture raised medicinally important plants were maintained. In addition a visit to their Orchidarium was also made whose main feature is to maintain and commercialize ornamental plants propagated by local farmers of Meghalaya.









The following institute visited was **Bioresources Development Centre (BRDC)** located at 5<sup>th</sup> mile Upper Shillong. The Scientist Incharge Dr J Lyngdoh along with her research staff highlighted the aims and objectives of the centre and students were explained on the importance of bioresources and their conservation. The centre focusses on micropropagation of Banana, Potato and an endangered orchid *Cymbidium* sp. In addition, the phytochemical room and its different components were thoroughly explained by the staff members.



**BIORESOURCES DEVELOPMENT CENTRE**



The third institute which was visited was the **Department of Forest & Environment Silviculture Division Tissue culture Laboratory**, Government of Meghalaya. The division is headed by Dr. Viki Manners alongwith his team of researchers specializing in the field of Plant Biotechnology. The objective of their work is to propagate or conserve the endangered plant species in Meghalaya such as Orchid *Cymbidium* sp., *Nepenthes khasiana* and Lakadong turmeric alongwith many other ornamental plant species found in Meghalaya.



Silviculture Division Tissue culture Laboratory Shillong



